

Title (en)
Optical fibre clamping splice.

Title (de)
Lichtwellenleiter-Spleissklemme.

Title (fr)
Pince-épissure pour fibres optiques.

Publication
EP 0285803 A2 19881012 (DE)

Application
EP 88103035 A 19880301

Priority
DE 3711457 A 19870404

Abstract (en)
[origin: US4871227A] In an optical fiber connector for joining the ends of pairs of light conducting fibers which includes a mounting plate provided with guide grooves receiving the fiber ends and a pressure plate structure disposed on top of the mounting plate and hinged and latched thereto, guide grooves are formed only in the mounting plate and have a depth greater than the fiber radius and the pressure plate structure has elastic clamping members formed therefrom so as to project toward the mounting plate for resilient engagement with the respective optical fiber ends and the clamping members engaging the ends of each pair of fibers are spaced such that an open area is provided at the fiber joints to provide for visibility of and access to the joints, the mounting plate and pressure plate structure having at their ends clamping structures for engaging and axially fixing the position of the fibers where the connector is closed.

Abstract (de)
Lichtwellenleiter-Spleißklemmen müssen in großer Anzahl eingesetzt werden. Es ist daher erforderlich, daß die Spleißklemmen eine einfache Montage zulassen und daß deren Herstellung auch billig ist. Beide Forderungen werden durch die erfindungsgemäße, äußerst preiswert herstellbare Spleißklemme erreicht, die die zu verbindenden Lichtwellenleiter (1) zwischen einer mit mindestens einer Führungsnut versehenen Basisplatte (8) und einer hierauf klappbaren Druckplatte (9) mit federnden Klemmplatten (12) eindeutig führt und federnd fixiert und außerdem eine einfache Montage ermöglicht.

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G02B 6/38

IPC 8 full level
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CPC (source: EP US)
G02B 6/3806 (2013.01 - EP US); **G02B 6/3636** (2013.01 - EP US); **G02B 6/3652** (2013.01 - EP US); **G02B 6/3838** (2013.01 - EP US)

Cited by
DE4112438C1; DE4322660A1; AU2004293929B2; DE19626080A1; DE19626080B4; US9004733B2; WO2013152106A1; EP1680696A2

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